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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1

of 1

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| Application Number | 10/719,506 |
| Filing Date | |
| First Named Inventor | Michael K. Fitch |
| Art Unit | 3726 |
| Examiner Name | J. COZART |
| Attorney Docket Number | Fitch 03-1020 |

| U. S. PATENT DOCUMENTS | | | | | |
|------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| JC | | US- 3,885,744 | 05-27-1975 | Drage | page 1 |
| JC | | US- 3,905,556 | 09-16-1975 | Drage | page 1 |
| JC | | US- 5,139,203 | 08-18-1992 | Alavi | fig's 1& 2, Pgs 1- 8 |
| JC | | US- 5,217,171 | 06-08-1993 | Feldman | page 1 |
| JC | | US- 5,630,554 | 05-20-1997 | Izumikawa | pg 1, fig's 3 & 4 |
| JC | | US- 5,676,318 | 10-14-1997 | Yokoyama | page 1 |
| JC | | US- 5,887,805 | 03-30-1999 | Chapman | page 1 |
| JC | | US- 5,662,579 | 09-02-1997 | Bickford | page 1 |
| JC | | US- 5,843,287 | 12-01-1998 | Wicks | page 1 |
| JC | | US- 5,979,033 | 11-09-1999 | Chang | page 1 |
| JC | | US- 6,143,139 | 11-07-2000 | Wicks | page 1 |
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| FOREIGN PATENT DOCUMENTS | | | | | | |
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| Examiner Signature | J. Cozart | Date Considered | 10/4/05 |
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| | | Art Unit | 3726 |
| | | Examiner Name | J. COZART |
| Sheet 1 | of 1 | Attorney Docket Number | Fitch 03-1020 |

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| JL | | RONALD ROSENSON, Refining & smelting precious metals from PC Boards, Conf. paper NEPCON WEST -1994. | |
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| Examiner Signature | J. Cozart | Date Considered | 10/4/05 |
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